

✓

L3 ANSWER 144 OF 693 CA COPYRIGHT 2005 ACS on STN  
AN 137:113173 CA  
ED Entered STN: 15 Aug 2002  
TI Manufacture of semi-rigid asphalt concrete at ambient temperature  
IN Shen, De-Shian; Liu, Jeng-Tzung  
PA Taiwan  
SO Taiwan, 34 pp.  
CODEN: TWXXA5  
DT Patent  
LA Chinese  
IC ICM C04B024-36  
CC 58-2 (Cement, Concrete, and Related Building Materials)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	TW 408089	B	20001011	TW 1996-85116316	19961231
PRAI	TW 1996-85116316		19961231		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
------------	-------	------------------------------------

TW 408089	ICM	C04B024-36
-----------	-----	------------

AB The concrete comprises Type-I cement 1, cation-emulsified asphalt 0.9-1.1, F-Type superplasticizer 0.03, Na CM-cellulose 0.09-0.11, CaCl<sub>2</sub> 0.01, fine sand/stone 0.933, coarse sand/stone 1.4 weight parts, and stone powder (as filler). Preferably, the F-Type superplasticizer is naphthalene type water reducing agent; and the Na CM-cellulose is water-dispersible polyanion. The concrete is manufactured by mixing the F-Type superplasticizer with the cation-emulsified asphalt, stirring, adding Na CM-cellulose, adding CaCl<sub>2</sub>, adding surfactant, mixing, adding cement and stone powder, adding fine sand/stone, adding coarse sand/stone, and mixing. The concrete structure and construction machinery are also claimed.

ST semi rigid asphalt concrete manuf ambient temp; sodium CM cellulose sand stone asphalt concrete; cement superplasticizer calcium chloride asphalt concrete; water reducing agent asphalt concrete